

Annual Report 2009-2010

Utah Department of Natural Resources

Annual Report and Directory of Services

*“Turning Challenges
Into Opportunities”*



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Utah Geological Survey



Edge of the Cedars State Park Museum

Cover Photo

Division of Wildlife Resource employees work alongside a private vendor at Utah Lake in an effort to remove carp. It is hoped that by removing carp, native fish will once again become abundant, and the water in the lake will become more pristine.



State of Utah

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Office of the Governor

Dear Friends and Colleagues,

I am pleased to present the Annual Report for the Utah Department of Natural Resources (DNR). This year's theme is "Turning Challenges Into Opportunities" and DNR continues to exemplify that attitude.

Declining budgets forced all of us to evaluate our priorities and spending. While state dollars were dwindling, the problems of threatened, endangered and invasive species, water concerns and conservation, and aging or inadequate facilities continued to demand attention. In order to face the demands, DNR and its employees developed a number of creative remedies.

Partnerships with public and private entities have enabled the watershed initiative to increase the quality and quantity of water and provide better habitat for livestock and wildlife. State Parks found partners to create or enhance tourism and economic development opportunities. New hunting opportunities have been created to bolster revenues through license sales. Many products and services have been, and are being, added to the Internet to provide ease of access for customers and the general public.

The funding for DNR is different than that of many state agencies, in that it receives only 30% of its budget from the state's general fund. The department, therefore, must generate the majority of its budget needs. This need demands creativity and a continual effort to not only find efficiencies, but also to find new revenue sources.

I applaud the efforts of DNR for continuing to turn challenges into opportunities now, and into the future.

Sincerely,

Gary R. Herbert
Governor



Governor Herbert with USPR Director Mary Tullius

Executive Director's Message

The theme of this year's Annual Report, "Turning Challenges Into Opportunities," seemed perfect in light of the challenges posed by shrinking budgets and increasing demands. The employees of the Utah Department of Natural Resources continually meet the challenges.

For instance, the cover photo shows the carp removal effort at Utah Lake. The rapidly increasing carp population in the lake has choked out the native fish, including the June Sucker, which was listed as endangered in 1996. Now, the carp are being removed in a private-public partnership, and are being sent to mink farms and composting sites. The goal is to remove five-million pounds of carp, which should improve the water quality of the lake and encourage native fish to flourish.

This is just one example of the many efforts underway within our seven divisions, of how staff is tackling challenges of all kinds and finding solutions.

I am continually amazed at the creativity and dedication of our 1,500 employees. It is truly an honor to work with them. They truly have, at heart, the best interests of the residents of Utah.

Michael R. Styler, DNR Executive Director



DNR Executive Director Mike Styler assists with carp removal at Utah Lake

DNR Annual Employee Award Winners

Executive Director's Award

Dave Grierson

Division of Forestry, Fire &
State Lands

The following comments were made during Dave's award acceptance speech in December 2009. Dave passed away in April 2010.



"It has been a difficult year, not just because people take potshots at me in public meetings and sometimes it gets personal and you try not to let it get personal. You try to work through it. There's a lot of reward in this family that I work with, all of DNR. I can't tell you how much support I have gotten throughout the years and throughout some of my difficult times that this family has given me and it is more than overwhelming to me how well I have been treated here and I do love my job. There are times when I don't... I get my name in the paper, sometimes wrong but I still come back to this family and the support and warmth and friendships that I have developed over the years. So thank you, Director, and thank you, family, for everything."

Employee of the Year

Greg Sheehan

Division of Wildlife Resources

"The employees at the Division of Wildlife Resources have been great friends and practically family for many years and I thank all of them for their friendship and support."



DNR Annual Employee Award Winners (cont.)

Manager of the Year

Gil Hunt

Division of Oil, Gas and Mining

"I was very surprised and honored to receive the DNR Manager of the Year Award. Given the number of outstanding managers working in the Department, it was a perfect way to finish my career at the Division of Oil, Gas and Mining, especially knowing that my employees nominated me for the award."



Community Outreach Award

Ron Stewart

Division of Wildlife Resources

"As the Chairman of the Interpretation Committee for Flaming Gorge-Uintas National Scenic Byway, I've been able to do my job, presenting messages on wildlife, habitats and resource management, while working with great people representing two states, federal and local governments, public organizations and private interests. Our efforts have met the Byway's goals of providing recreational opportunities to increase visitation and economic benefits and build better community relationships."



Distinguished Service Award

Betty Barela

DNR Administration

"It was gratifying and heart-warming to get this award. The superior goals and missions of the department (although worded differently) did not change in the 34 years I worked here. And, as I was always fond of telling fellow co-workers, 'there is nothing as constant as change.' The people that worked here changed constantly. But the caliber and integrity of those people did not, their ethic was always at the highest level. They are what made working here such a pleasure. As I look forward to my retirement, I am not looking forward to the loss of my daily interaction with my co-workers, I'll miss you all."



Utah Department of Natural Resources

1594 West North Temple, Ste. 3710

PO Box 145610

Salt Lake City, Utah 84114-5610

801-538-7200

801-538-7315 (fax)

www.naturalresources.utah.gov



L to R: Darin Bird, Kaelyn Anfinson, Mike Styler, Tammy Kikuchi, Robyn Pearson

Executive Team

Michael Styler - Executive Director

801-538-7201

mikestyler@utah.gov

Darin Bird - Deputy Director

801-538-7201

darinbird@utah.gov

Robyn Pearson - Deputy Director

801-538-7201

robynpearson@utah.gov

Tammy Kikuchi - Communications Director/PIO

801-538-7326

tkikuchi@utah.gov

Kaelyn Anfinson - Administrative Assistant

801-538-7201

kaelynanfinson@utah.gov



L to R: Dennis Carver, Sid Groll, Reed Harris, Greg Mead, Linda Beus, Rory Reynolds

Administrative Team

Linda Beus - Human Resources Director
801-538-7319 lindabeus@utah.gov

Dennis Carver - Finance Director
801-538-7307 denniscarver@utah.gov

Sid Groll - Law Enforcement Director
801-538-4882 sidgroll@utah.gov

Reed Harris - Species Recovery Program Director
801-538-7420 reedharris@utah.gov

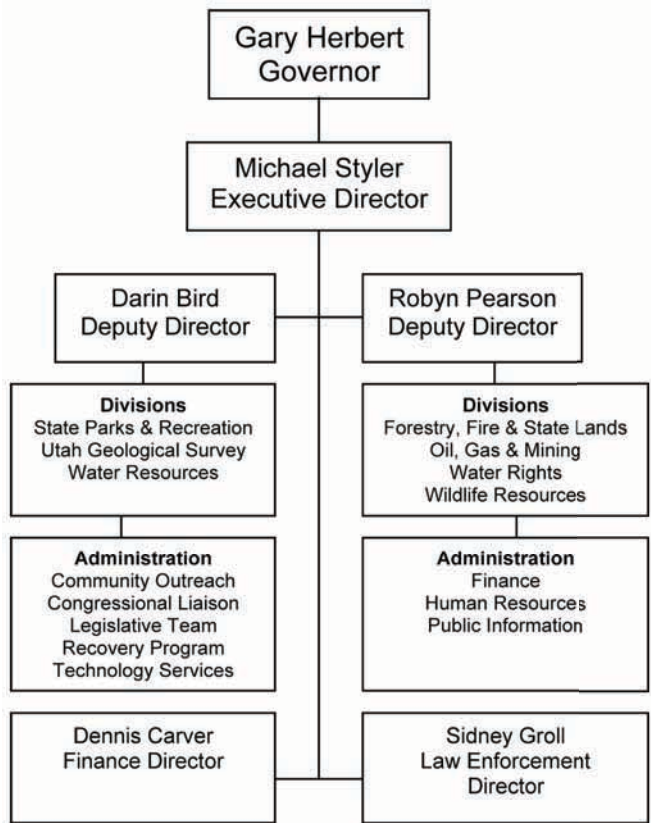
Greg Mead - Information Technology Director
801-538-7244 gmead@utah.gov

Rory Reynolds - Watershed Director
801-538-4876 roryreynolds@utah.gov



Photo: Mike Hylland, UGS

Organizational Chart



Department Goals

Customer Service - Provide quality customer service

Building the Bench - Develop an active plan of recruitment to compete for quality employees and in preparation for replacing key employees as they retire

Elimination of Silos - Increase organizational efficiency and effectiveness by sharing assets and resources across organizational lines

Enhance Revenues and Reduce Costs - Focus on the use of department assets to reduce reliance upon the general fund

2009-2010 Highlights

Endangered Species Mitigation Fund

- Completed the removal of invasive red shiner from the Virgin River in Utah and installed a barrier in the Virgin River Gorge to prevent re-establishment.



- Drafted an Environmental Assessment on Utah Lake carp removal to fulfill NEPA requirements and allow for expenditure of federal dollars on the effort.

- Initiated the removal of carp from Utah Lake

with the target of 5 million pounds annually.

- Documented successful spawning of June sucker in lower Hobbie Creek less than one year after restoration.

- Construction of fish passage at Fort Fields Diversion provided access to an additional 1.9 miles of spawning habitat for June sucker on the Provo River.

- Continued to work with Utah Lake Commission on implementation of the Utah Lake Master Plan and issues associated with Utah Lake.

- Worked with June Sucker Recovery Team on revision of the June Sucker Recovery Plan.

- As a result of stocking efforts, razorback sucker are now in the Yampa River after a 30 year absence.



- The U.S. Fish and Wildlife Service found greater sage-grouse and least chub warranted for federal listing as threatened or endangered, but precluded due to higher listing priorities elsewhere.

- The U.S. Fish and Wildlife Service found American pika not warranted for federal listing.

2009-2010 Highlights (cont.)

- Continued to work with local county commissioners, resources management agencies and stakeholders on the development of a recovery implementation program and range-wide Habitat Conservation Plan for Utah prairie dog.

- Completed surveys for Utah prairie dog in West Desert Recovery Unit.

- Continued to coordinate with UDWR on implementation of the Utah Wildlife Action Plan.



- Completed baseline physical habitat conditions analysis of wetlands and installed shallow groundwater monitoring network in Snake Valley, Utah.

- Thirty-one of thirty-five grant proposals for sensitive species conservation activities were approved for full or partial funding with traditional ESMF funding.

- Fifteen conservation and habitat restoration projects targeting greater sage grouse were approved with funding provided through the legislature.

- The Quail Creek Regional Center opened in March 2010. It houses UDWR and the June Sucker Recovery Program. The land was provided by the Washington County Water Conservancy District.

Watershed

- Locally led teams identify and implement projects to address watershed needs.

- Utah's Watershed Restoration Initiative continues to grow as a successful collaborative effort to restore and conserve natural resources throughout the state.

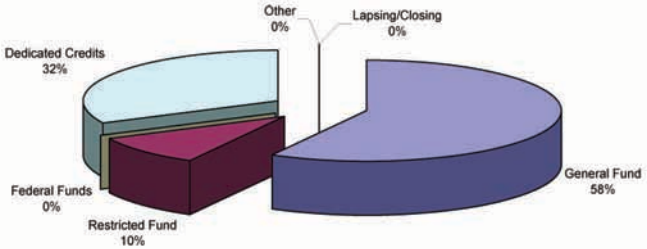
- 200 projects coming to a close and 100 new projects starting resulting in more than 100,000 acres of important watersheds improved.

- Legislative appropriation leveraged 6:1.

Financials

**Fiscal Year Ending
June 30, 2010
(Unaudited)**

**Revenue
\$10,770,900**



**Expenses
\$10,770,900**

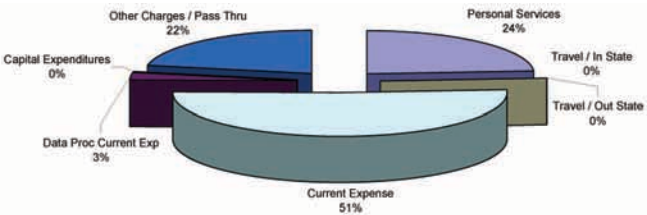


Photo: Mike Hylland UGS

Utah Division of Forestry, Fire & State Lands (FFSL)



Mission Statement

“The Division of Forestry, Fire & State Lands manages, sustains and strengthens Utah’s forests, rangelands, sovereign lands and watersheds for its citizens and visitors.”



An instructor at the Southeast Area Engine Academy training volunteer fire fighters on structure protection tactics

**Utah Division of
Forestry, Fire & State Lands**
1594 West North Temple, Suite 3520
PO Box 145703
Salt Lake City, Utah 84117-5703
801-538-5555
801-533-4111 (fax)
www.ffsl.utah.gov



L to R: Dick Buehler, Tim Garcia, Jo Lynn Campbell, Roger Lewis, Jason Curry

Executive Team

Dick Buehler - State Forester / Director
801-538-5389 dickbuehler@utah.gov

Tim Garcia - Deputy Director
801-538-5530 timgarcia@utah.gov

Roger Lewis - Financial Director
801-538-3206 rogerlewis@utah.gov

Jason Curry - Fire Information Officer/Investigator
801-538-5324 jasoncurry@utah.gov

Jo Lynn Campbell - Administrative Secretary
801-538-5418 jolynncampbell@utah.gov

Division Director's Message

"We all face challenges in our lives that influence the many things we do. Challenges are like change, they are a certainty; and the way we face challenges is a matter of personal choice. The dedicated staff of the Division of Forestry, Fire & State Lands routinely choose to turn challenges into opportunities. This attitude and commitment has promoted a "can do" attitude that results in significant accomplishments and self satisfaction. Turning challenges into opportunities benefit the programs and resources we manage as well as the people who depend upon and enjoy the abundance of opportunities in our great state."



Dick Buehler, State Forester, Division Director

Forestry, Fire & State Lands Advisory Council

Tom Tripp

Box Elder, Salt Lake, Davis, Weber and Tooele Counties

Corey Milne

Box Elder, Salt Lake, Davis, Weber and Tooele Counties

Steve Lutz

Box Elder, Salt Lake, Davis, Weber and Tooele Counties

D. Robert Carter
Utah County

Jack Troyer
State-at-Large

Frederick Baker, Jr.
State-at-Large

Dwight Bunnell
State-at-Large

J. Kent Taylor
State-at-Large

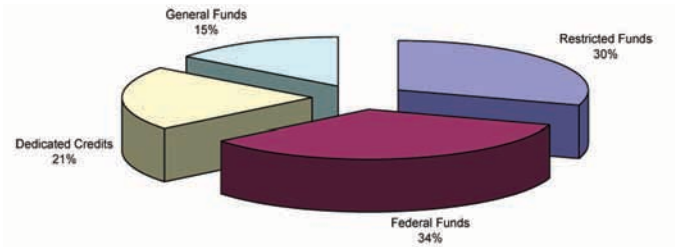
Nat Frazer
State-at-Large

Norman Weston
Rich County

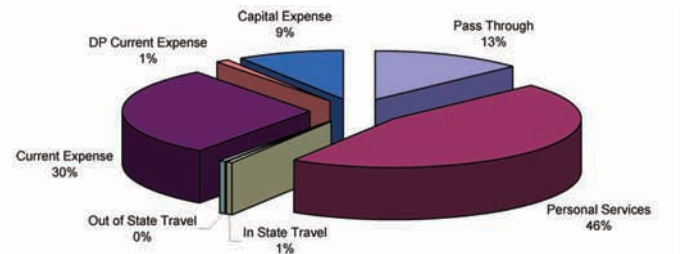
Financials

**Fiscal Year Ending
June 30, 2010**
(Unaudited)

Revenue
\$21,271,300



Expenses
\$21,271,300



A helicopter hauls beetle-killed spruce trees off private land near Clear Creek

2009-2010 Highlights

The State Forest Resource Assessment was completed in June. The federal government required each state receiving federal grant funding for forestry projects to submit an assessment which acts as an inventory for all lands within the state. Federal grant programs will use the assessment to identify priority areas for federal funding and partnerships

Utah's Forest Legacy Program successfully completed two conservation easements this year, the 800 acre Pioneer Ranch in Morgan County and the 1,171 acre Kanarra tract, the final phase of the Virgin River Headwaters project. These projects were possible because of numerous partners including the USDA Forest Service, The Nature Conservancy and the Utah Quality Growth Commission-LeRay McAllister Fund. In total, the projects make up 64,334 acres of forested land.



This prescribed burn on the Ogden Bay Waterfowl Management Area was one of three conducted by the state along the shores of the Great Salt Lake

The Division distributed \$45,000 in grants to Utah communities for urban forestry projects including: Tree Planting, Arborist Training, Wood-waste Utilization and Hazard Tree Mitigation. These grants leveraged over \$160,000 in matching contributions. Meanwhile, 70 Utah communities were recognized as a Tree City USA; 10 new Tree City USA's were acknowledged.

Five engine academies were held to provide municipal fire departments with in-depth training and hands-on experience in wildland fire tactics. More than 500 fire personnel from across the state took the training. Fire managers say there is a link between lower number of large wildfires this year and the higher level of training for these initial attack resources.

2009-2010 Highlights (cont.)

663 wildfires burned 44,860 acres across the state. Almost half were caused by human activity.

The Division trained and certified 382 Basic and 430 Advanced Utah firefighters to fight wildland fire.

The fire program distributed \$1.1 million in federal grant funds to 126 Utah fire departments for training, equipment, and personal protective equipment.

Division staff functioned as part of the Statewide Interagency Fire Communications Committee. The committee worked on a number of fire prevention and outreach efforts aimed at reducing the number of human-caused wildfires. In April, the committee hosted the Eastern Great Basin/Northern Rockies Fire Prevention Workshop. More than 100 participants from fire agencies in Utah, Nevada, Idaho, Montana, Wyoming, North Dakota, and Arizona attended the weeklong event. The workshop provided training in communications and an opportunity for states to exchange successful fire prevention strategies.

Fire managers have used the milder conditions and calmer wildfire seasons in 2009 and 2010 to implement more fuel reduction projects and prescribed burns. Both activities reduced the buildup of hazardous fuels making the inevitable wildfires more manageable.



Members of the Utah Conservation Corps work to plant willow cuttings along the banks of the Virgin River near St. George. The willows restore wildlife habitat lost to invasive Tamarisk.

2009-2010 Highlights (cont.)

Red Butte Garden hosted the 2010 State Arbor Day ceremony. Of the more than 39,000 students who participated in Arbor Day activities, the seven winners of the Arbor Day Poster contest were recognized at this event and asked to help the State Forester plant this year's Arbor Day tree in the State Arboretum.

Division staff in Moab worked with a private landowner to develop a forest stewardship plan near Clear Creek. The plan enabled a helicopter logging operation to harvest beetle-killed spruce trees. The operation resulted in a healthier forest as well as some timber supply for a Kamas logging company.

State, federal and local agencies worked to put the final touches on a five year project aimed at restoring the banks of the Virgin and Santa Clara Rivers. The project included the removal of several miles of invasive Tamarisk trees followed by the planting of native vegetation. The riparian wildlife habitat is healthier, the fire danger is greatly reduced and the river banks are stabilized against future flooding.

After receiving a nomination from Utah Crossings Inc. to lease sovereign lands on the shores and bed of Utah Lake, division leadership declined to grant the lease without further study and competition. For a broader approach, sovereign lands managers invited other entities to submit proposals in order to ensure the consideration of all options for the best use of the land.



The 2009 Sawmill Wildfire was managed for varying objectives. In the pictured location, the emphasis was put on protecting the structures. State and federal agencies learned valuable lessons to take forward in future fire management decisions.

Services and Functions

Sovereign Lands

Administers private, public and commercial uses of state owned lakebed and riverbed lands in accordance with public trust doctrine.

Forest Stewardship/Agro Forestry

Assists private landholders in managing resources.

Services include developing management plans along with timber marking, windbreaks, water quality, wildlife habitat improvement and financial assistance to implement resource management plans.

Urban and Community Forestry

Urban foresters provide technical and financial assistance to cities and towns for tree plantings.

Promoting the benefits of trees in all Utah communities.

Wildland Fire Protection

Provides wildland fire prevention and protection on Utah's unincorporated private lands. Includes wildland fire suppression training and fire equipment grants to community and volunteer fire departments.

Lone Peak Conservation Center

Provides trained crews to fight wildland fires, complete natural resource projects and work on the state conservation projects.

Regional Offices

Northeastern Area

Dale Jablonski, Area Manager
152 East 100 North
Vernal, UT 84078-2125
435-781-5463
dalejablonski@utah.gov

Central Area

Marvin Turner, Area Manager
1139 North Centennial Park Drive
Richfield, UT 84701
435-896-5697

Southwestern Area

Ron Wilson, Area Manager
585 North Main Street
Cedar City, UT 84720-2643
435-586-4408
ronwilson@utah.gov

Southeastern Area

Ben Bloodworth, Area Manager
1165 South Highway 191, Suite 6
Moab, UT 84532-3002
435-259-3766
benbloodworth@utah.gov

Wasatch Front Area

Geoff McNaughton, Area Manager
1594 West North Temple, Suite 3520
PO Box 145703
Salt Lake City, UT 84114-5703
801-538-5351
geoffmcnaughton@utah.gov

Bear River Area

Blain Hamp, Area Manager
1780 North Research Park Way, Suite 104
North Logan, UT 84341-1940
435-752-8701
blainhamp@utah.gov

Lone Peak

Gary Peck, Coordinator
Fire Service Center
271 Bitterbrush Lane
Draper, UT 84020-9599
801-571-0900
garypeck@utah.gov

Utah Division of Oil, Gas & Mining (DOGM)



Mission Statement

"Division of Oil, Gas and Mining regulates and ensures industry compliance and site restoration while facilitating oil, gas and mining activities."



*Oil pump-jacks, a familiar site throughout much of Utah.
Photo: Kathy Smith*

Utah Division of Oil, Gas & Mining

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (fax)

www.ogm.utah.gov



*L to R: Steve Schneider, Julie Ann Carter, John Baza
Paula Dupin-Zahn, John Rogers, Dana Dean, Jim Springer*

Executive Team

John R. Baza - Director

801-538-5334

johnbaza@utah.gov

Dana Dean - Associate Director for Mining

801-538-5320

danadean@utah.gov

John Rogers - Associate Director for Oil and Gas

801-538-5349

johnrogers@utah.gov

Steve Schneider - Legislative Liaison

801-538-5238

steveschneider@utah.gov

Jim Springer - Information Specialist

801-538-5324

jimspringer@utah.gov

Paula Dupin-Zahn - Finance Manager

801-538-5309

pauladupinzahn@utah.gov

Julie Ann Carter - Administrative Secretary

801-538-5227

juliecarter@utah.gov

Division Director's Message

“Oil, natural gas, coal, and minerals: these natural resources literally fuel our economy. Our society cannot exist in its current state without them. They not only provide the material possessions of our standard of living, the processes of extracting them also provide high-paying jobs for thousands of Utahns. Although recent environmental impacts have occurred as a result of society’s continuing need to utilize these commodities – the challenge exists to minimize and mitigate such impacts to sustain our quality of life while deriving the benefits from future energy and mineral extraction. There is also the challenge of preserving our history and culture while alleviating hazards to future generations by addressing the impacts of long-past mineral development such as abandoned mines. The Division of Oil, Gas and Mining recognizes the challenges presented by our struggling economy and has seen those challenges as an opportunity to serve our customers in the most efficient manner possible to ensure our continued access to our essential natural resources.”



John R. Baza – Director



*Contractors installing grate at abandoned mine site...
one of thousands of dangerous sites found throughout Utah*



L to R: Kelly Payne, Douglas Johnson, Sam Quigley, Jean Semborski, Ruland Gill, James Jensen, Jake Harouny

Board of Oil, Gas & Mining

Douglas E. Johnson, Chair
Mining, Spring City

James T. Jensen
Mineral and Royalty Interests, Salt Lake City

Kelly L. Payne
Mining, Salt Lake City

Jake Y. Harouny
Oil and Gas, Salt Lake City

Ruland R. Gill
Oil and Gas, Salt Lake City

Samuel C. Quigley
Geology, Price

Jean Semborski
Ecology and Environment, Price

Julie Ann Carter, Board Secretary
801-538-5277

Regional Offices

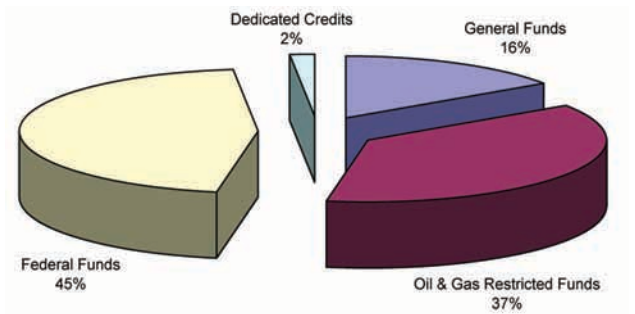
Price Field Office
Karl Housekeeper
319 N Carbonville Road, Suite C
Price, UT 84501
435-613-3737 / 435-613-3739 (fax)
karlhousekeeper@utah.gov

Roosevelt Office
Dave Hackford
30 W. 425 S. (330-11)
Roosevelt, UT 84066-3706
435-722-3417
davehackford@utah.gov

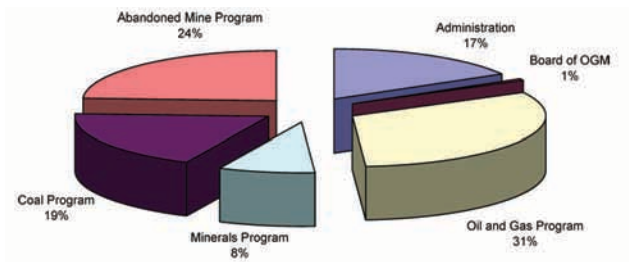
Financials

**Fiscal Year Ending
June 30, 2010
(Unaudited)**

**Revenues
\$9,426,500**



**Expenses
\$8,694,200**



**Excess of Revenues Over Expenses
\$732,300**

Non-lapsing	\$185,900
Lapsing to restricted fund	\$546,400

2009-2010 Highlights

Oil and Gas Program

•Economic uncertainties continued to affect Utah's oil and gas fields. The number of Applications to Drill dropped from 1,434 in FY-09 to 1,128 for FY-10. The decline in applications was also reflected in the number of wells actually begun by operators. Operators commenced drilling 886 wells in FY-09 and that number dropped to 706 in FY-10. Despite the reduced interest in drilling production, both oil and natural gas continued an upward trend. Calendar year 2009's production was almost 23-million barrels of oil, continuing a growing trend. Natural gas production also increased to almost 450 billion cubic feet, an all time record production year. Once again the production of coalbed methane continued downward to 60.7 billion cubic feet in 2009. There are currently more than 9,100 producing oil and gas wells in the state. DOGM field inspectors conducted 5,693 inspections.



Work-over rig, Grand County. Photo: Ted Smith

Coal Program

•During the last fiscal year the Coal Program staff oversaw 36 permitted coal sites: 12 active mines, three active processing plants, five reclaimed mines, five mines in temporary cessation, two mines and two load-outs in inactive status and seven forfeiture sites.

•Staff processed 61 amendments of which 31 were approved, renewed six permits, issued one new permit, conducted 14 midterm reviews and conducted 349 inspections and technical visits. Eleven violations and one cessation order were issued during mine inspections. Two new mine permit applications remain in process for the Kinney Mine in Carbon County and Coal Hollow, Kane County.

2009-2010 Highlights



Abandoned mines dot Utah's landscape, a legacy of Utah's mining heritage. Photo: Wayne Hedberg

Minerals

- The Minerals Regulatory Program oversaw 677 mineral mine sites and completed 447 permitting actions and 357 inspections during the fiscal year. Seven enforcement actions were taken. As of June 30, 2010, the program administered 563 reclamation sureties totaling more than \$126 million.
- The slow economy has continued to affect mine operators although some commodity prices have rebounded. Several road projects have necessitated permitting of sites that can supply road base materials. The building stone and landscape rock industries have continued to struggle.
- As many as 17,000 abandoned mines may be scattered throughout Utah, each representing a potential death trap for an unwary visitor. The Abandoned Mine Reclamation Program works to identify those that pose the greatest danger to the public and to seal them from public entry. Abandoned mine sites that may have been an important part of Utah's economic development are surveyed and documented to better understand their historic value. During FY-10, 110 mines were closed in Emery, Juab, Summit, Tooele and Utah counties.



2009-2010 Highlights

- As many as 17,000 abandoned mines may be scattered throughout Utah, each representing a potential death trap for an unwary visitor. The Abandoned Mine Reclamation Program works to identify those that pose the greatest danger to the public and to seal them from public entry. Abandoned mine sites that may have been an important part of Utah's economic development are surveyed and documented to better understand their historic value. During FY-10, 110 mines were closed in Emery, Juab, Summit, Tooele and Utah counties.
- In an effort to educate the public about abandoned mine dangers, more than 22,000 workbooks, videos, calendars and other educational items were distributed through Utah's schools and at 22 public events. In addition, the AMRP conducted a "Stay Out and Stay Alive" poster contest for 4th graders and received 353 entries. The winning artwork will be featured in a 2011 abandoned mine safety awareness calendar.

Board of Oil, Gas and Mining

- The Board of Oil, Gas and Mining recognized six companies with 2010 Earth Day Awards. The awards are presented to companies or individuals who exceed regulatory requirements while developing essential natural resources. Awards were presented to: Anadarko Petroleum Corporation; Energy West Mining Company; Georgia-Pacific Gypsum; Questar Exploration and Production Company; Rio Tinto- Kennecott Utah Copper Corporation; and Simplot Phosphate, LLC.

Services and Functions

Oil and Gas Program

Permits, inspects and monitors oil and gas wells throughout the state. Also, collects, processes, audits and maintains information on ownership, production, disposition and status of oil and gas exploration and production wells and facilities.

Coal and Mineral Permitting

Issues permits to coal and mineral mining operations to ensure their compliance with surface environmental laws and regulations.

Injection Wells and Disposal Facilities

Permits and inspects injection and disposal wells and surface water disposal pits. Water is forced into injection wells to aid recovery of additional oil assets. Disposal wells are usually depleted wells and used to store unusable water underground. The division enforces regulations concerning disposal of produced water and wastes from oil and gas exploration and production.

Appeals

Provides first level of administrative appeal to public on minerals, coal and oil and gas projects when there are objections.

Abandoned Mine Reclamation

Protects public health, safety and environment from unpermitted abandoned mine problems. Provides information to schools on hazards of abandoned mines.

Earth Day Awards

Honors industry for reclamation work and innovations in environmental technology that go beyond what is required.

Utah Division of State Parks & Recreation (USPR)



Mission Statement:

"Division of State Parks & Recreation preserves and provides natural, cultural and recreational resources for enjoyment, education and inspiration."



Goblin Valley State Park

Utah Division of State Parks and Recreation

1594 West North Temple, Suite 116

PO Box 146001

Salt Lake City, UT 84114-6001

801-538-7220

877-UTPARKS

801-538-7378 (fax)

www.stateparks.utah.gov



*L to R: Mark Forbes, Karen Krieger, Mary Tullius, Wendy Griffith,
Fred Hayes, Deena Loyola*

Executive Team

Mary Tullius – Director

801-538-7336

marytullius@utah.gov

Fred Hayes – Deputy Director

801-538-7323

fredhayes@utah.gov

Karen Krieger – Deputy Director

801-538-7367

karenkrieger@utah.gov

Mark Forbes – Finance Manager

801-538-7355

markforbes@utah.gov

Deena Loyola – Communications/Marketing

801-538-7347

deenaloyola@utah.gov

Wendy Griffith – Administrative Assistant

801-538-7418

wendygriffith@utah.gov

Division Director's Message

"We are committed to creating opportunities from challenges.

Despite the challenging economic downturn, state park visitation increased five percent this past year, which we credit to our affordable recreation opportunities, safe and clean facilities, and the high standard of customer service provided by our employees. Finding a balance between accommodating more visitors, while protecting cultural and natural resources, is a challenge we embrace.

We are committed to keeping visitors safe as they ride off-highway vehicles on trails or boat on Utah's waters. The challenge of protecting public safety through education and enforcement grows as more people explore our public lands.

To make tax dollars go further, we partner with county tourism and economic development offices to promote and market community events at state parks, such as fishing tournaments in Carbon and Emery counties, and a Native American Art Market in San Juan County. These partnerships bring visitors to state parks and museums, and tourism dollars to surrounding communities.

To encourage new visitors to Utah's state parks, we've created a Check It Out program. We've placed free Annual Passes in nearly 80 libraries statewide. Library patrons check out an Annual Pass with their library card and visit the park of their choice.

Another challenge, to which we've committed, is providing healthy outdoor recreation opportunities to a generation more familiar with electronics and gadgets, than with trails and trees. Our Rockin' Utah Children in Nature program provides family-friendly outdoor activities in a fun and safe learning environment. We hope to inspire a new generation of stewards who will take on the challenges to our state parks system in the future."

- Mary Tullius, Director



USPR Director Mary Tullius with DNR Deputy Director Darin Bird

BOARD OF STATE PARKS

Karl Bentley, Chair
Emery, Carbon, Grand and San Juan counties

Marty Ott, Vice Chair
Kane, Garfield, Piute, Sevier, Sanpete and Wayne counties

Eli Anderson
Box Elder, Cache and Rich counties

Bill Bleak
Salt Lake, Tooele and Summit counties

Lois Bulloch
Beaver, Iron and Washington counties

Jaren Davis
State-at-Large

Glenn Greenhalgh
Utah, Juab, Wasatch and Millard counties

Irene Hansen
Uintah, Daggett and Duchesne counties

Joseph Hull
Davis, Morgan and Weber counties

Wendy Griffith
Administrative Assistant
801-538-7418

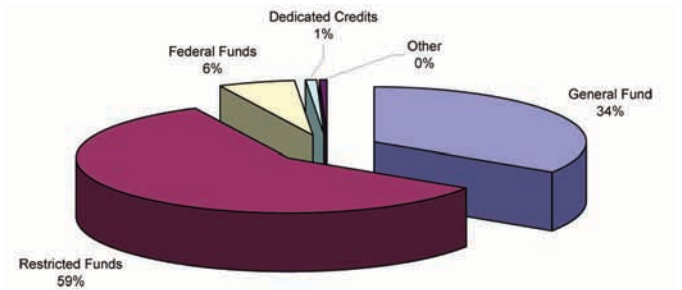


L to R: Jaren Davis, Irene Hansen, Lois Bulloch, Eli Anderson, Marty Ott, Karl Bentley, Bill Bleak, Glenn Greehalgh, Joe Hull

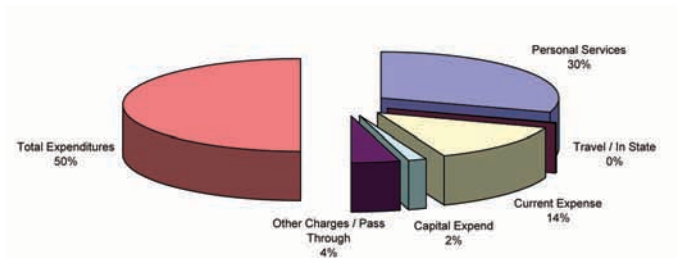
Financials

**Fiscal Year Ending
June 30, 2010**
(Unaudited)

Revenues
\$30,103,596



Expenditures
\$30,103,596



2009-2010 Highlights

- Governor Herbert joined State Parks and the Utah Golf Association for the announcement of Utah's first USGA Championship, the U.S. Amateur Public Links Championship at Soldier Hollow Golf Course at Wasatch Mountain State Park.
- More than 4.8 million visitors discovered beauty and history in Utah's 43 state parks and museums. Visitation has increased more than five percent annually for the past two years.
- Partnership and marketing efforts with county tourism and economic development offices continue with successful events, activities and projects in Cache, Davis, Emery, Iron, Millard, San Juan, Sanpete, Wasatch, Washington and Uintah counties.
- Utah's Boating Program emphasized the importance of life jacket use and boater education to protect public safety and property. In addition, more than 600 outfitters, guides and boat rental liveries were licensed through the boating program.
- Off-highway vehicle and personal watercraft education programs are committed to the safety of all riders and operators. These programs certified more than 3,700 Utah children over the past year.
- Volunteers provided more than 92,500 hours of service in parks and museums by greeting visitors, maintaining facilities, providing campfire programs and serving as campground hosts.
- State Parks Boating Rangers are committed to public safety and resource protection, logging more than 38,000 boating safety and search and rescue hours, checking 2,200 boats for safety equipment, and assisting or rescuing more than 900 stranded boaters.
- More than 660 public programs were developed and offered by employees in state parks and museums last year. Topics ranged from pioneer history and Native American arts, to Junior Ranger hikes and history camps.
- Utah families searched for fossils, hiked, sailed, flew kites and camped as part of the Children in Nature - Rockin' Utah initiative. Now in its third year, this program aims to get children and their families away from televisions and computer screens, and discovering healthy, outdoor activities in state parks.

2009-2010 Highlights (cont.)

- 36,437 children participated in Junior Ranger and education programs statewide learning about Utah's history, geology and other natural wonders. More than 30,000 of these children were students who either ventured out on field trips or were visited in their classrooms.
- The Check It Out program helped Utah families explore state parks and museums. For a second year, State Parks provided free Annual Passes for check out from 77 Utah libraries.
- Governor Herbert and all 49 governors nationwide declared June as Great Outdoors Month. Utahns were encouraged to explore the great outdoors and visit Utah's state parks and museums, forests, and other public lands and waterways. Special events at parks and museums marked the month-long celebration.
- Seven state parks organized and hosted events in partnership with the Give a Day, Get A Disney Day national volunteer effort.
- Twenty state parks were named among the top parks in the nation for biking and hiking trails, scenic views, romantic destinations, festivals and events, and water recreation.
- Friends of Utah State Parks, a non-profit advocacy group, continues working to build community support and awareness for agency infrastructure and facility needs.
- Input from community partners and other stakeholders, led to completion and approval of Resource Management Plans for Sand Hollow State Park and the State Boating Program. A comprehensive plan for Wasatch Mountain, and Resource Management Plans for Territorial Statehouse and Scofield state parks are in development.
- Comprehensive business plans are in development for Sand Hollow, Wasatch Mountain, and Scofield state parks.
- Utah's off-highway vehicle program groomed and maintained more than 25,000 miles of snowmobile trails on nine snowmobile complexes during the winter season.
- www.stateparks.utah.gov is more interactive, customer friendly and informative for current and prospective visitors.
- State Parks is committed to its employees by providing management and leadership skills training.

Services and Functions

Operations

Manages Utah's state park system, which includes operations, planning, and protection of 43 heritage, scenic and recreation parks.

Planning

Guides short and long-term site management to protect and interpret each park's natural and cultural resource base, ensure safe and enjoyable visitor experiences, provide for new visitor opportunities and develop and enhance facilities to meet visitor needs.

State Boating Act

Administers the State Boating Act on Utah waters, which includes safety, education, search and rescue, and enforcement.

Off-Highway Vehicles

Administers summer and winter off-highway vehicle programs, including education, trail maintenance, grant programs, user compliance, accident investigation, and search and rescue.

State Trails Program

Protects, interprets, develops and maintains recreational trail resources within state parks, and provides coordination, funding and technical assistance on statewide trail projects.

Grant Programs

Administers Land and Water Conservation Fund, non-motorized and motorized trails grant programs.

Regional Offices

Northern Region

Bruce Hamilton, Region Manager
1084 North Redwood Road
Salt Lake City, UT 84116-1555
801-533-5127

Southeast Region

Tim Smith, Region Manager
1165 South Highway 191, Ste.7
Moab, UT 84532-3062
435-259-3750

Southwest Region

Larry Gray, Region Manager
585 North Main Street
Cedar City, UT 84720-2643
435-586-4497

State Parks and Museums

Anasazi State Park Museum
Mike Nelson, Park Manager
435-335-7308

Antelope Island State Park
Ron Taylor, Park Manager
801-773-2941



A view of Antelope Island State Park

Bear Lake State Park
Richard Driesbeke, Park Manager
435-946-3343

Camp Floyd/Stagecoach Inn State Park & Museum
Mark Trotter, Park Manager
801-768-8932

Coral Pink Sand Dunes State Park
Michael Franklin, Park Manager
435-648-2800

Dead Horse Point State Park
Megan Blackwelder, Park Manager
435-259-2614

Deer Creek State Park
Rick Redmon, Park Manager
435-654-0171

East Canyon State Park
John Sullivan, Park Manager
801-829-6866

Edge of the Cedars State Park Museum
Teri Lyn Paul, Park Manager
435-678-2238

Escalante Petrified Forest State Park
Kendall Farnsworth, Park Manager
435-826-4466

State Parks and Museums (cont.)

Flight Park State Park Recreation Area
Bob Rosell, Park Manager
801-533-5127

Fremont Indian State Park & Museum
Bob Hanover, Park Manager
435-527-4631

Frontier Homestead State Park Museum
Todd Prince, Park Manager
435-586-9290

Goblin Valley State Park
Eugene Swalberg, Park Manager
435-564-3633

Goosenecks State Park
Teri Lyn Paul, Park Manager
435-678-2238

Great Salt Lake State Marina
Bob Rosell, Park Manager
801-250-1898



*Utah State Parks Boating Rangers patrol Utah's waters,
protecting public safety and resources*

Green River State Park
Eugene Swalberg, Park Manager
435-564-3633

Gunlock State Park
Laura Melling, Park Manager
435-628-2255

Historic Union Pacific Rail Trail State Park
Mountain Trails Foundation
435-649-6839

Huntington State Park
Dan Richards, Park Manager
435-687-2491

State Parks and Museums (cont.)

Hyrum State Park

Jeremy Shaw, Park Manager

435-245-6866

Jordan River OHV State Recreation Area

David Wagner, Park Manager

801-533-5424

Jordanelle State Park

Laurie Backus, Park Manager

435-649-9540

Kodachrome Basin State Park

Aaron Farmer, Park Manager

435-679-8562



Hikers explore Kodachrome Basin State Park

Millsite State Park

Dan Richards, Park Manager

435-687-2491

Otter Creek State Park

Bob Hanover, Park Manager

435-624-3268

Palisade State Park

Shon Tripp, Park Manager

435-835-7275

Piute State Park

Bob Hanover, Park Manager

435-624-3268

Quail Creek State Park

Jon Wikan, Park Manager

435-879-2378

State Parks and Museums (cont.)

Red Fleet State Park
Mike Murray, Park Manager
435-789-4432

Rockport State Park
Joseph Donnell, Park Manager
435-336-2241

Sand Hollow State Park
Laura Melling, Park Manager
435-680-0715

Scofield State Park
Dan Richards, Park Manager
435-448-9449

Snow Canyon State Park
Kristen Comella, Park Manager
435-628-2255

Starvation State Park
Mike Neally, Park Manager
435-738-2326

Steinaker State Park
Mike Murray, Park Manager
435-789-4432

Territorial Statehouse State Park Museum
Carl Camp, Park Manager
435-743-5316

This Is The Place Heritage Park
Matt Dahl, Private Foundation Director
801-582-1847

Utah Field House of Natural History State Park Museum
Steve Sroka, Park Manager
435-789-3799

Utah Lake State Park
Ty Hunter, Park Manager
801-375-0731

Wasatch Mountain State Park
Bruce Strom, Park Manager
435-654-1791

Willard Bay State Park
Wayne Monroe, Park Manager
435-734-9494

Yuba State Park
Jeff Rasmussen, Park Manager
435-758-2611

Utah Division of Water Resources (UDWRe)



Mission Statement:

"Division of Water Resources plans, conserves, develops and protects Utah's water resources."



Bob Barrett, Bear River Bird Refuge Manager, and Eric Edgley, Eric Klotz, and Todd Stonely, Planning Section Managers, attending a tour of the Bear River Bird Refuge

Utah Division of Water Resources

1594 W North Temple, Suite 310

PO Box 146201

Salt Lake City, UT 84114-6201

801-538-7230

801-538-7279 (fax)

www.water.utah.gov



*L to R: Eric Millis, Randy Staker, Geralee Murdock, Todd Adams,
Dennis Strong, Terri Jackson*

Executive Team

Dennis J. Strong - Director

801-538-7250

dennisstrong@utah.gov

Eric L. Millis - Deputy Director

801-538-7298

ericmillis@utah.gov

Todd D. Adams - Assistant Director

801-538-7272

toddadams@utah.gov

Geralee Murdock - Administrative Secretary

801-538-7235

geraleemurdock@utah.gov

Terri Jackson - Budget Officer

801-538-7257

terrijackson@utah.gov

Randy Staker - Accountant

801-538-7253

randystaker@utah.gov

Division Director's Message

The budget struggles of the last several years have presented a number of challenges for the Division of Water Resources. Our innovative and resourceful employees have created new opportunities to continue our part in the planning, development, conservation, and protection of Utah's water resources. Together we have changed, focused, and modified. Budget cuts have forced us to reduce staff and services, and delay construction and planning activities, but through the efforts of division staff, the impacts to water users have been small. We have borrowed money to fund important projects, and have partnered with federal agencies to get both construction money and funding for planning studies. We have strengthened and modified the activities of the Governor's Water Conservation Team to use our reduced and limited assets where they will do the most good and reap the greatest water savings.



Times are challenging, but my thanks go to a dedicated staff who are committed to our mission.
- Dennis Strong, Division Director

Board of Water Resources

Robert D. Bessey, Chair
Millard, Sanpete, Sevier, Piute, Wayne counties

J. Stewart Paulick, Vice-Chair
Salt Lake, Tooele counties

Craig E. Johansen
Carbon, Emery, Grand, San Juan counties

Blair R. Francis
Box Elder, Cache, Rich counties

Paul McPherson
Utah, Juab, Wasatch counties

N. Gawain Snow
Daggett, Duchesne, Uintah counties

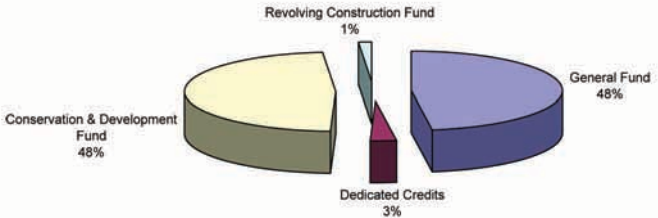
David S. Humphreys
Weber, Davis, Morgan, Summit counties

James A. Lemmon
Beaver, Garfield, Iron, Washington, Kane counties

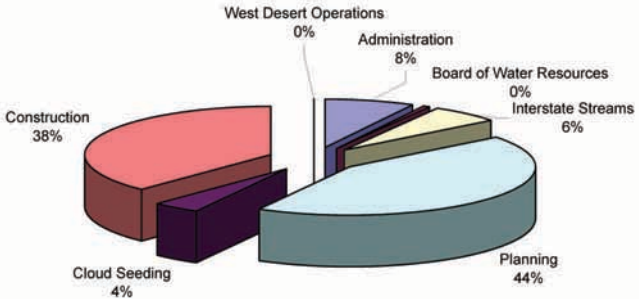
Financials

**Fiscal Year Ending
June 30, 2010
(Unaudited)**

**Revenue
\$5,499,400**



**Expenditures
\$5,499,400**



2009-2010 Highlights

- Continued preconstruction activities on the Lake Powell Pipeline and funded the Provo Reservoir Canal Enclosure Project.
- The board loaned \$84.3 million for 26 water projects.
- Three dam safety compliance grants were given totaling \$540,000, and one bond insurance grant for \$268,000.
- Published the Weber River and Jordan River Basin State Water Plans, the 2005 statewide Municipal and Industrial Water Supply Summary, and a State Water Plan Report, "Managing Sediment in Utah's Reservoirs".
- Collected water related land use data for the Bear River basin. Published the land use inventory for the Weber basin.
- The Colorado River Basin states, U.S. State Department, International Boundary & Water Commission, and the country of Mexico are meeting to discuss expanding cooperative management of the Colorado River to include uses in Mexico - an historic effort that has major and long-term impacts for both countries.

Services and Functions

Development and Conservation Funds

The Board of Water Resources administers three state water development and conservation funds.

Technical Assistance

Provides technical water development and planning assistance to Utah water users.

Water Planning

Maintains the State Water Plan, which describes Utah's current and long-term water related needs. Inventories municipal and industrial water use and water-related land use. Performs water use studies.

Computer Applications

Develops Geographic Information System applications, water demand/supply and hydrologic models.

Interstate Streams

The division director is Utah's interstate streams commissioner, helping defend and protect Utah's right to develop and use its entitlements in the Colorado and Bear rivers.

Cloud Seeding

Promotes cloud seeding to augment natural snow pack.

Water Education/Conservation

Works with local water agencies, individuals and professional groups in developing and implementing water conservation programs to reduce per capita water use in Utah by at least 25 percent before 2050. Develops and distributes water education instructional materials to teachers and students in Utah's public schools.



*Panoramic view of Upper Stillwater Dam and its majestic spillway.
Ashley National Forest, Duchesne County.
Photo: Todd Stonely*

Utah Division of Water Rights (DWRi)



Mission Statement:

“Division of Water Rights promotes order and certainty in administering the beneficial use of Utah’s water.”



Provo River water fall. Photo: Kelly Horne

Utah Division of Water Rights

1594 W North Temple, Suite 220

PO Box 146300

Salt Lake City, UT 84114-6300

801-538-7240

801-538-7467 (fax)

www.waterrights.utah.gov



*L to R: Dave Marble, Marianne Burbidge, Lee Sim, Kent Jones,
John Mann, Boyd Clayton, Matt Lindon*

Executive Team

Kent Jones - State Engineer/Director

801-538-7371

kentljones@utah.gov

Boyd Clayton - Deputy State Engineer

801-538-7390

boydclayton@utah.gov

Lee Sim - Assistant State Engineer/Field Services

801-538-7380

leesim@utah.gov

John Mann - Assistant State Engineer/Applications & Records

801-538-7405

johnmann@utah.gov

David Marble - Assistant State Engineer/Dam Safety

801-538-7376

davemarble@utah.gov

Matt Lindon - Assistant State Engineer/Technical Services

801-538-7481

mattlindon@utah.gov

Marianne Burbidge - Admin. Secretary/Legislative Liaison

801-538-7370

marianneburbidge@utah.gov

Division Director's Message

Decreasing budgets, furloughs, reduced staff, increasing workloads, complex applications, and increasing interest in Utah's limited resource of water are all challenges the Division of Water Rights faced this last year. However, staff rallied to meet our responsibilities. We have seen significant reductions in application, certificate, and report of conveyance processing backlogs.



Progress can be attributed directly to staff reorganizing, improving efficiency and addressing the issues at hand. Considerable effort has been expended to assure staff that they are empowered to do the work and make the appropriate decisions. The staff has done a great job!

Significant water legislation was discussed and passed this year to help add more clarity and definition to processes at the division. Amendments to the groundwater recharge and recovery act and water storage projects allow a streamlined process for submitting proof of beneficial use of water; requirements for the state engineer to plug wasting wells at the state's expense and for the state engineer to have a bond before taking the oath of office were repealed; contractors installing pumps in a well will now be required to obtain a license to do such work; amendments were made to the adjudication statutes allowing a clearer process for doing partial adjudications; preference among users in a Governor-declared water shortage emergency was defined to bring balance to our priority based water right system in extreme situations while compensating those whose water has been taken; rainwater harvesting was authorized; water deed addendums can now be recorded and special districts were authorized to help administer ground water usage in a critical groundwater management area.

A landslide in Cache County which breached a canal and took three lives, led to discussion of the safety of thousands of miles of canal in the state. Legislation which encourages canal owners and cities to communicate and incentivized safety evaluations was the result.

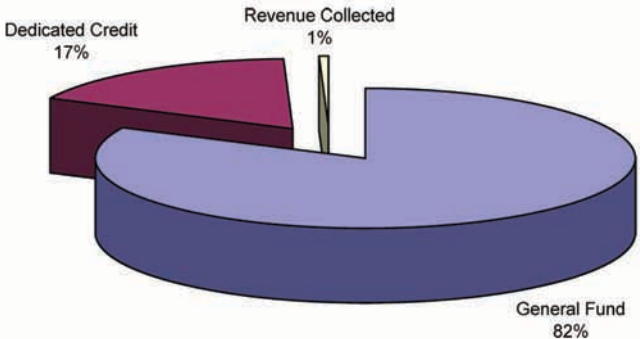
With sales tax revenues, general fund appropriations, and fee collections down, the Division is struggling to meet all of its budgetary needs. Our woes are not unique and we appreciate the legislature's supplemental funding and the Department's team spirit which helped our division meet its challenges. In all, we are working together as a team and are rising to the challenge to meet our work demands. The Division staff's dedicated efforts are greatly appreciated and have given us the great results we are experiencing.

Kent Jones, State Engineer/Division Director

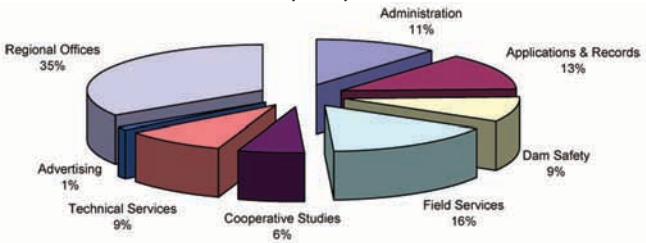
Financials

**Fiscal Year Ending
June 30, 2010
(Unaudited)**

**Revenue
\$8,642,000**



**Expenditures
\$8,642,000**



Non-Lapsing Funds

There was a total of \$297,000 in Non-Lapsing Funds of which 51% was General Fund and 49% was Dedicated Credit.

2009-2010 Highlights

- Application processing backlog reduced by 800 applications.
- Backlog in issuing water right certificates reduced by 500 applications.
- Report of Conveyance processing backlog reduced by 300 reports.
- Average processing time for a small water right application reduced from 118 to 65 days.
- Division recognized by Utah Rural Water Association.



- Rules to clarify declarations of beneficial use (sole supply limits) were implemented.
- 53 enforcement referrals received, 17 processed for agency action, 9 actions finalized by consent order.
- Plans were approved for construction of Jackson Flat Dam in Kanab and the reconstruction of Wide Hollow Dam in Escalante. Rehabilitation projects were completed on Miller Flat, Lower Enterprise, and Rotary Glen Dams.
- 301 Dam Safety inspections were conducted; 25 applications to construct small dams were approved.
- 12 new Water Well Drillers were licensed and 42 new Well Rig Operators were registered. Licensing of pump installers was initiated.



2009-2010 Highlights

- Administered the distribution of water to 2,493 users in 48 distribution systems using 57 river commissioners.



- Division web site improved to be more educational and interactive with FAQ's, current issues, basic concepts and bulletin boards.
- Price, Little Bear, and Snake Valley automated water measurement systems were installed with assistance from the division.

- In 2009-2010 the division acted on:

677	Applications to Appropriate
1,246	Change Applications
79	Exchange Applications
355	Nonuse Applications
781	Extension Requests
1,389	Certificates of Beneficial Use
289	Stream Alteration Permits
2835	Reports of Conveyance
7651	State Engineer Actions



Services and Functions

Water Right Applications

Process water right applications and maintain permanent records for all water rights in state. Assist the public to access water right information and complete application forms required by the agency.

Distribution and Measurement of Water

Oversee 57 water commissioners representing 48 systems where the agency is directly involved in the daily distribution of water among water right holders.

Adjudication

Present to the district court a proposed determination of water rights within hydrologic areas of the state where such investigations have been ordered by the court and obtain an adjudication order decreeing those water rights.

Dam Safety

Physically inspect and monitor operation of approximately 300 public and private dams, approve new dam construction, consult and approve dam upgrades and intervene in emergencies. Inspections and monitoring efforts are based on each dam's hazard rating for potential loss of life and property.

Stream Channel Alterations

Process permits to alter the banks or beds of natural streams under terms of the Utah Code and a general permit from the US Army Corps of Engineers.

Geothermal

Process permits to use geothermal resources in the state. Inspect facilities and monitor pressure tests.

Well Drilling Regulations and Licensing

Oversee licensing and regulation of water well drillers in the state.

Water Resources Studies

Collect water resources data for surface, groundwater and use of water throughout the state. Perform studies to determine water availability and management alternatives. Support the integration of data automation technology in operations of the agency.

Enforcement

Administer the division's water rights, dam safety and stream alteration enforcement program as authorized by statute and administrative rule. Investigate violations of Utah water right law and initiate actions which encourage compliance.

Regional Offices

NORTHERN REGIONAL OFFICE
Will Atkin, Regional Engineer
1780 N Research Parkway, Ste 104
North Logan, UT 84341
435-752-8755
willatkin@utah.gov

WEBER/WESTERN REGIONAL OFFICE
Ross Hansen, Regional Engineer
1594 W North Temple, Suite 220
PO Box 146300
Salt Lake City, UT 84114-6300
801-538-7240
rosshansen@utah.gov

UTAH LAKE/JORDAN RIVER REGIONAL OFFICE
Teresa Wilhelmsen, Regional Engineer
1594 W North Temple, Suite 220
PO Box 146300
Salt Lake City, UT 84114-6300
801-538-7240
teresawilhelmsen@utah.gov

SOUTHERN REGIONAL OFFICE
Kirk Forbush, Regional Engineer
130 N Main Street
PO Box 664
Richfield, UT 84701-0664
435-896-4429
kirkforbush@utah.gov

SOUTHWESTERN REGIONAL OFFICE
Kurt Vest, Regional Engineer
585 N Main Street, Suite 1
PO Box 506
Cedar City, UT 84721-0506
435-586-4231
kurtvest@utah.gov

SOUTHEASTERN REGIONAL OFFICE
Marc Stilson, Regional Engineer
319 N Carbonville Road
PO Box 718
Price, UT 84501
435-613-3750
marcstilson@utah.gov

EASTERN REGIONAL OFFICE
Bob Leake, Regional Engineer
State and County Building
152 E 100 N
Vernal, UT 84078-2126
435-781-5327
bobleake@utah.gov

Utah Division of Wildlife Resources (UDWR)



Mission Statement:

“Division of Wildlife Resources serves the people of Utah as trustee and guardian of the state’s wildlife.”



Division biologists released this female northern river otter into the Provo River in November 2009. Her release launched the first phase of a three-year otter-reintroduction project. The division is working with Brigham Young University and Utah Wildlife in Need, a nonprofit conservation organization, to fund and oversee this effort.

Photo: Scott Root, UDWR

Utah Division of Wildlife Resources

1594 West North Temple, Suite 2110

PO Box 146301

Salt Lake City, Utah 84114-6301

801-538-4700

801-533-4709 (fax)

www.wildlife.utah.gov



L to R: Cindee Jensen, Dean Mitchell, Jim Karpowitz, Thu Vo, Robin Thomas, Alan Clark, Becky Johnson

Executive Team

Jim Karpowitz - Director

801-538-4702

jimkarpowitz@utah.gov

Cindee Jensen - Deputy Director

801-538-4708

cindeejensen@utah.gov

Alan Clark - Assistant Director

801-538-4734

alangclark@utah.gov

Robin Thomas - Legislative Liaison

801-538-4707

robinthomas@utah.gov

Dean Mitchell - Conservation Outreach Section Chief

801-538-4816

deanmitchell@utah.gov

Becky Johnson - Administrative Secretary

801-538-4703

beckysjohnson@utah.gov

Thu Vo - Executive Secretary

801-538-4705

thuvo@utah.gov

Division Director's Message

Wildlife is valuable to everyone. The division has seen proof of it this year, despite a tough economy. The public's enthusiasm for fishing, hunting and wildlife watching remains consistently strong. We are grateful to everyone who purchased licenses, applied for permits and attended wildlife festivals. You care about Utah's wildlife and make it a recreation priority. With your support — and that of our partners — we hurdled some challenges this year and were able to:



Offer Utah's first statewide general-season turkey hunt.

Produce a record 1.25 million pounds of fish in state fish hatcheries and stock them across Utah.

Capture and relocate almost 1,200 urban geese, including those affected by the oil spill in Liberty Park.

Complete almost 200 watershed restoration projects, while planning an additional 100 projects for FY 2011.

Work with a committee of diverse stakeholders to survey thousands of hunters and finalize a new statewide elk management plan.

Stop a poaching ring that involved five individuals and more than 80 poached mule deer.

Successfully translocate a population of river otters to the Provo River.

Partner with 360 retail organizations to help the public obtain more than 700,000 hunting and fishing licenses and permits.

Extend the Conservation Permit Program, which generates millions of dollars in funding and wildlife-project work every year.

Give the public additional methods and opportunities to provide input on wildlife-management decisions.

Launch an updated division website, which makes it easier to find essential information and tools.

Jim Karpowicz – Director

Utah Wildlife Board



*Board members L to R: Del Brady, Thomas Hatch, Rick Woodard,
Bill Fenimore, Ernie Perkins and Jake Albrecht
Not pictured: Keele Johnson*

Rick Woodard, Chair
Provo/Central

Ernie Perkins, Vice Chair
Layton/Northern

Jake Albrecht
Glenwood/Southern

Del Brady
Vernal/Northeastern

Bill Fenimore
Farmington/Northern

Thomas Hatch
Panguitch/Southern

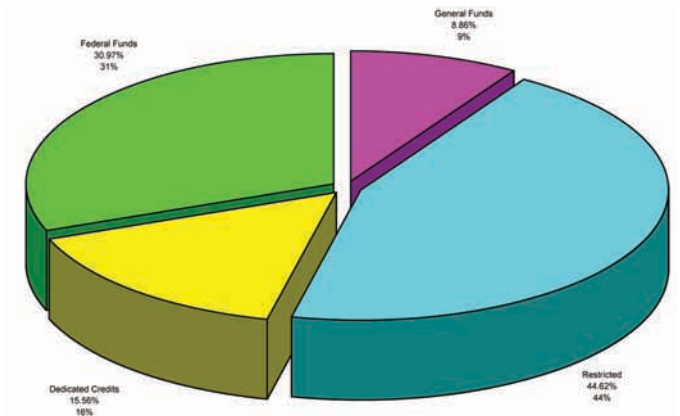
Keele Johnson
Blanding/Southeastern

Jim Karpowitz,
Executive Secretary
801-538-4702

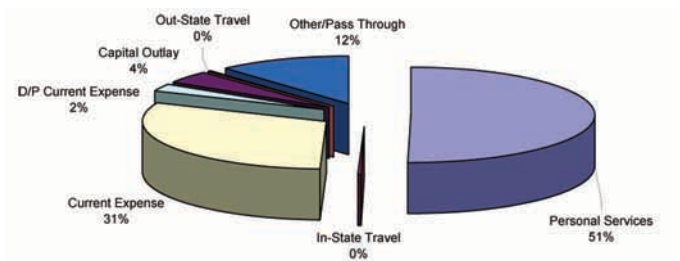
Financials

**Fiscal Year Ending
June 30, 2010
(Unaudited)**

**Revenue
\$66,244,083**



**Expenditures
\$66,244,083**



2009-2010 Highlights

Administration

- Over the past year, the division used new strategies and tools to obtain more input from the public. Targeted surveys and online questionnaires provided valuable feedback. Division personnel also posted wildlife-management proposals on the Web and provided contact information for all Regional Advisory Council and Wildlife Board members.

- Working through the public process and with multiple conservation organizations, the division was able to extend its Conservation Permit Program. Conservation permits generate millions of dollars annually in direct funding and project work. The funding allows the division to restore habitat and perform transplants that enhance wildlife populations across the state.



In 2009, conservation permit sales generated approximately \$2.4 million. More than \$2.2 million of that revenue was devoted to habitat enhancement, transplants and other wildlife-focused projects.

- Thirty-six division employees have received, or are working toward, advanced degrees under the division's Education Assistance Program. This program helps employees pursue an education that meets personal goals and agency needs. While working toward their degrees, employees have performed valuable research on a variety of species, including sage-grouse, songbirds and bison.

- Utah is one of 32 states participating in a direct-mail marketing program coordinated by the Recreational Boating and Fishing Foundation. In FY 2010, the division used an innovative direct-mail piece that sent lapsed anglers to the Web, where they could see if they had won a prize. By the end of the fiscal year, the marketing postcard had already generated a nine-percent response, which is excellent for a direct-mail campaign. The division is optimistic that the promotion will increase license sales among lapsed anglers.

- The division's University Liaison program enhances wildlife and fisheries research, offers continuing-education opportunities, and helps the division recruit the state's best college students. The program has established graduate internships at both Utah State University and Brigham Young University as well as undergraduate internship positions in division offices statewide. The intern programs give students exposure to a range of agency projects and personnel.

2009-2010 Highlights (cont.)

- The division's Leadership Development Program strengthens the skills of existing leaders and develops employees with leadership potential. Now in its third year, the program has 55 participants, each with a personalized development plan.

Administrative Services

- Division employees worked with 360 retail sales agents to help the public obtain more than 700,000 hunting and fishing licenses and permits.

- This year, members of the public applied for more limited-entry hunting opportunities than ever before. The division received more than 410,000 applications for hunt drawings. Individuals applied for these drawings online or with the assistance of division employees statewide.

- Division employees rose to the challenge of providing continued services with reduced budgets in FY 2010. This year, the division canceled statewide meetings, eliminated telephone lines, reduced mailing costs, used videoconferencing and launched many other cost-saving measures. These changes allowed the agency to continue providing first-rate services to the public.

Aquatics

- Over the past seven years, the division has substantially renovated its fish hatcheries at Fountain Green, Kamas, Mantua, Midway and Whiterocks. Using these upgraded facilities and the latest fish-culture technology, the division produced a record 1.25 million pounds of fish in FY 2010. The fish were stocked in reservoirs, lakes, rivers and community ponds across the state.



This beautiful tiger trout was raised in a state fish hatchery and stocked in northeastern Utah.

Photographer: Phil Douglass, Utah Division of Wildlife Resources

- Endangered-fish sampling work produced exciting results in FY 2010. Biologists documented the highest increase in young-of-year Colorado Pikeminnow since the 1990s. They also documented the highest survival rate for bonytail chub (age 2 and older) after the previous year's stocking. Finally, razorback sucker reproduction was documented in the lower Green River. These recovery milestones were aided by cooperative flow releases from Flaming Gorge Reservoir and the removal of predatory fish such as smallmouth bass.

- Utah received approximately \$1 million in State Wildlife Grant funds, which it matched with state funds, for ongoing carp removal from Utah Lake. The program goal is to remove five million pounds of carp annually from the lake. To date, approximately two million pounds have been removed

2009-2010 Highlights (cont.)

since October 2009. The purpose of this effort is to substantially reduce the total number of carp in the lake and replace them with June sucker (endangered) and sport fish. During FY 2010, approximately 53,000 eight-inch June suckers were raised in Utah facilities and stocked in Utah Lake.

- To make it easier for people to fish, the division simplified fishing regulations. There is now a statewide bag and possession limit for yellow perch and a two-fish limit at Utah's heavily fished community ponds. The lower limit at the community waters should extend fishing opportunities after the ponds are stocked.

- Stream restoration continued on the upper Strawberry River. Channel narrowing, boulder placement (to provide fish structure) and vegetation planting (to provide shade) are all part of the effort. This project was funded by federal stimulus money as well as funds from Utah's Blue Ribbon Fisheries and Habitat councils.

- The division continued educating the public about the consequences of invasive species. During FY 2010, more than 50 division personnel educated boaters and decontaminated watercraft at reservoirs throughout the state. Key waters included Utah Lake, Strawberry Reservoir, Lake Powell and Flaming Gorge Reservoir. In May 2010, Sand Hollow Reservoir in southwest Utah was found to contain a live adult quagga mussel, and the reservoir was declared infested by the Utah Wildlife Board. Despite this finding, Utah waters remain relatively mussel-free given the massive education and decontamination effort.

- To help boaters who visit only one or two waters per year, the division developed a new online Mussel-Aware Boater course. The course educates boaters on how to prevent the spread of invasive quagga and zebra mussels. Boaters who complete the course can print a decontamination-certification form that lasts throughout the year. To date, 3,200 people have taken the course and received a certification form for the 2010 boating season.

Conservation Outreach

- In FY 2010, approximately 820,000 people visited the division's website and viewed more than 10.8 million pages. The division launched an updated site in December 2009. The enhanced site makes it easier for the public to locate information about Utah's hunting and fishing opportunities.

- The division's Communication program won six national awards this year at the annual meeting of the Association for Conservation Information, held in Louisville, Kentucky. Awardswere for publications developed in 2009 and included

2009-2010 Highlights (cont.)

first-place awards in the Big Idea, Small Budget and Print News Release categories. The agency also received second-place awards in the Website and Brochure categories and third-place awards in the Brochure and Poster categories.

- Approximately 8,300 deer hunters participated in the division's Dedicated Hunter program. These hunters completed a Wildlife Conservation and Ethics Course and worked thousands of hours on wildlife-related projects. In return, they received additional general-season deer hunting opportunities. Dedicated Hunters provide more than \$2 million in labor annually on projects that benefit wildlife.

- Throughout the year, the Division sponsored 23 wildlife-watching events and festivals. These events gave people a reason to get outdoors and to learn about wildlife conservation.

Some of this year's notable events included Kokanee Salmon Day (September), Hardware Ranch Elk Festival (October), St. George Winter Bird Festival (January), Gunnison and Greater sage-grouse watches (March and April) and the Day of the Condor and Bighorn Sheep Watch (June).



Every year, thousands of people attend the division's wildlife-watching events. They enjoy seeing unique species such as the bighorn sheep.

- The division established a Human Dimensions program in FY 2010. This program helps the agency better understand what people value about Utah's wildlife and how they interact with it. Incorporating those insights into policy, planning and decision-making processes is the focus of the Human Dimensions program.

- In March, the division partnered with the other agencies of the Utah Department of Natural Resources to host a Youth Outdoor Sports Fair at the International Sportsmen's Exposition. Approximately 6,000–8,000 children participated in the fair and enjoyed more than 20 hands-on, conservation-related activities.

- The division's Project WILD program conducted more than a dozen training sessions for Utah educators. Project WILD is an interdisciplinary conservation education program emphasizing wildlife. The program is designed for pre-K through twelfth-grade educators and other youth group leaders. Project WILD capitalizes on the natural interest that children have in wildlife by providing hands-on activities that enhance student learning.

2009-2010 Highlights (cont.)

Habitat

- Despite challenging economic times, Utah's Watershed Restoration Initiative continues to grow. Managed within the division, the initiative is a successful collaborative effort to restore and conserve natural resources throughout the state. Nearly 200 projects were completed in FY 2010. The division estimates that approximately \$10 million will flow through the initiative in FY 2011, and it will receive an additional \$14 million from partner funding and in-kind contributions.

- In FY 2010, the division's Great Basin Research Center staff provided assistance and recommendations for 168 custom seed mixes. They mixed a total of 693,000 pounds of seed that was planted to improve wildlife habitat statewide. The division also completed construction on 9,000 square feet of additional seed-storage space and covered dock space at the research center's warehouse. The seed-storage capacity of the warehouse is now 1.25 million pounds (1.1 million in a temperature-controlled warehouse and 150,000 in cold storage). Seed is regularly available for nearly 100 species of plants.

- Working with the Natural Resources Conservation Service (NRCS), the division provides four wildlife biologists who are located in NRCS field offices throughout Utah. These biologists assist with wildlife-conservation planning on private lands. In FY 2010, these biologists contacted more than 100 private landowners — most multiple times — to increase awareness of available funding sources, address environmental quality issues, and implement habitat-improvement projects. The biologists also provided information to private landowners about the NRCS Sage-grouse Initiative, and generated landowner applications to improve sage-grouse habitat throughout Utah.

- In FY 2010, the division's Natural Heritage Program responded to 298 formal requests and 387 informal requests for sensitive species location information.

The program's database now contains information on 38,259 occurrences of sensitive species in the state of Utah. The database is the state's only centralized data warehouse for sensitive species location and occurrence data.



The desert tortoise is just one of the sensitive species tracked in the division's Natural Heritage

Law Enforcement

- This year, the division's law enforcement section improved its new database that tracks officers' efforts in detail. The system has been installed on laptop computers in all vehicles, and it is completely compatible with systems at the

2009-2010 Highlights (cont.)

Department of Public Safety. The officers can use new reporting features to digitally submit reports, send citations to the courts and enter information about vehicles, suspensions and reward requests. The corresponding reduction in paperwork should increase officers' field productivity even more than last year.

- In spring 2010, division officers wrapped up another high-profile deer-poaching case that involved five individuals and more than 80 poached mule deer. Most of the deer were mature bucks that were poached over the course of several years. The alleged poachers targeted many areas, including the popular Vernon limited-entry hunting unit in Tooele County. The suspects are still proceeding through the judicial system.

- The division's conservation officers continued enforcement efforts, using boat ramps and administrative checkpoints to further educate the public and prevent the introduction and spread of quagga and zebra mussels and other invasive species. Officers in southern Utah worked closely with Parks and Recreation personnel and the division's Aquatics staff to implement the director's closure order on Sand Hollow Reservoir after an adult quagga mussel was found. Through their efforts, hundreds of boaters were able to use the reservoir for recreation despite the mussel discovery.

- The division continued to hire conservation officers, filling critical positions in vacant districts. In FY 2010, the agency hired and trained nine new officers. This effort filled all remaining vacant districts statewide.

Wildlife

- In spring 2010, the division held its first general-season wild turkey hunt. There was no cap on the number of permits available to hunters. This hunt was possible because of the division's highly successful turkey management and transplant programs. Rio Grande turkeys were first released in Utah over 20 years ago. Now, there are almost 20,000 wild turkeys in Utah.



The Utah Wildlife Board approved the new Elk Management Plan in March 2010. The plan will be in effect for the next five years.

- The division revised multiple species-management plans, including the statewide elk plan. To revise the elk plan, the division assembled an advisory committee consisting of representatives from 15 different organizations and interests. The committee helped develop a survey that went out to a random sample of elk hunters. The response rate was 35 percent, which was remarkably high. The committee used

2009-2010 Highlights (cont.)

the survey results to guide them in revising the elk plan. The plan passed successfully through the Regional Advisory Councils and Wildlife Board.

- The division continued eradicating phragmites, an invasive weed, on state-managed Waterfowl Management Areas (WMAs). Using chemical applications and targeted burns, the division has treated about 5,400 acres of the estimated 10,000 acres of phragmites within diked WMAs.

- In late 2009, the division moved 12 river otters from the Green River to the Provo River. The river otter is on Utah's Sensitive Species List, and the translocation was an effort to establish another population in suitable otter habitat. The project is the result of a unique partnership between the division, Brigham Young University and Utah Wildlife in Need (UWIN), a nonprofit foundation. A graduate student from BYU is monitoring the otters' survival, reproduction and diet, while UWIN is helping to fund the project.

- Division biologists and volunteers moved approximately 1,200 urban Canada geese out of Salt Lake County. This was the fifth year of a translocation experiment with nuisance geese. As part of this effort, division personnel responded to the Liberty Park oil spill, successfully capturing and moving the 270 Canada geese that were in the park when the spill occurred.

- The division's Walk-in Access program continues to grow. There are now 108 private properties that provide 84,626 acres of land, 5.75 miles of stream and 32.8 acres of ponds for wildlife-related recreation. Thousands of hunters and anglers visit these properties every year. Both landowners and sportsmen have expressed satisfaction with the program.



Wild turkeys are among the many species that live on Utah's Walk-in Access properties.
Photo: Lynn Chamberlain, UDWR

- This year, the division obtained federal grants to assist with disease surveillance and management activities. Grant funding supported the collection and testing of nearly 1,600 deer and elk samples (for chronic wasting disease) and the collection of 400 waterfowl samples (for avian influenza surveillance). The division also monitored for brucellosis in key areas of the state. Biologists collected samples from 93 elk and 127 bison, and none tested positive for the disease. Finally, division personnel worked to contain and eradicate a devastating bacterial pneumonia outbreak in the Goslin bighorn sheep herd of northeastern Utah.

Services and Functions

Certificates of Registration

Issues licenses and certificates of registration to falconers, private pond owners and people who want to own exotic pets.

Community Fisheries Program

Partners with local governments to provide urban and community fishing opportunities for Utah youth and families.

Dedicated Hunter Program

Provides additional hunting opportunities for Utah deer hunters who perform volunteer service benefiting wildlife.

Fisheries Experiment Station

Monitors Utah's wild fish populations and the division's fish hatcheries. Provides hatcheries with disease assessment and treatments.

Great Basin Research Center and Seed Warehouse

Conducts rangeland-rehabilitation research. Also stores, mixes and distributes seed for habitat-restoration projects.

Hatcheries

Owns and operates 12 state fish hatcheries.

Hunter Education

Trains young adults in the safe handling of firearms and is a prerequisite to purchasing a hunting license. The Lee Kay Center for Hunter Education (801-972-1326) and the Cache Valley Hunter Education Center (435-753-4600) provide Hunter Education courses and public shooting ranges.

Licenses

Sells hunting and fishing licenses.

Natural Heritage Program

Identifies and monitors sensitive plant and animal species, and maintains a database for making natural resource decisions.

Publications

Creates publications that provide news and information to constituents. Also publishes guidebooks that summarize hunting, fishing and trapping regulations.

Radio Show

Produces a weekly radio show, "Discover Utah Wildlife," which is broadcast on many stations statewide and available via podcast.

Volunteer Program

Supplements division programs while providing Utah's public an opportunity for hands-on experiences with wildlife biology, habitat restoration and education.

Website (wildlife.utah.gov)

Provides many online services and tools. Customers can buy hunting and fishing licenses, and use Web tools to obtain a wealth of information about Utah's wildlife.

Regional Offices

CENTRAL REGION (SPRINGVILLE)

John Fairchild, Regional Supervisor
801-491-5678

NORTHEASTERN REGION (VERNAL)

Kevin Christopherson, Regional Supervisor
435-781-9453

NORTHERN REGION (OGDEN)

Ron Hodson, Regional Supervisor
801-476-2745

SOUTHEASTERN REGION (PRICE)

Bill Bates, Regional Supervisor
435-613-3708

SOUTHERN REGION (CEDAR CITY)

Doug Messerly, Regional Supervisor
435-865-6103

Regional Advisory Councils

CENTRAL REGION
Fred Oswald, Chair
801-582-1350
fred@south-fork.net

NORTHEASTERN REGION
Bob Christensen, Chair
435-454-4777
rchristensen@fs.fed.us

NORTHERN REGION
Brad Slater, Chair
801-778-6600
brad1f1@aol.com

SOUTHEASTERN REGION
Terry Sanslow, Chair
435-637-4036
tsanslow@emerytelcom.net

SOUTHERN REGION
Steve Flinders, Chair
435-896-1610
steveflinders@fs.fed.us

Utah Geological Survey (UGS)



Mission Statement

“Utah Geological Survey provides timely scientific information about Utah’s geologic environment, resources and hazards.”



Utah Geological Survey geologists Don DeBlieux (with pick) and Gary Hunt searching for fossils

Utah Geological Survey
1594 West North Temple, Suite 3110
PO Box 146100
Salt Lake City, Utah 84114-6100
801-537-3300
801-537-3400 (fax)
www.geology.utah.gov



L to R: John Kingsley, Dianne Davis, Rick Allis, Kimm Harty

Executive Team

Rick Allis - State Geologist/Director
801-537-3301 rickallis@utah.gov

Kimm Harty - Deputy Director/Legislative Liaison
801-537-3313 kimmharty@utah.gov

John Kingsley - Associate Director
801-537-3309 johnkingsley@utah.gov

Dianne Davis - Administrative Secretary
801-537-3305 diannedavis@utah.gov

Division Director's Message

In recent years the Utah Geological Survey has experienced decreased general funding and a downturn in Mineral Lease payments. The effects of the revenue decline have been offset by gaining funding from other federal and local government sources to improve understanding of our geologic resources and natural hazards. The success of the UGS in sustaining its mission through competitively winning funds from other sources is a tribute to the talent and hard work of its staff.



Rick Allis, Division Director



*L to R Top Row: Don Harris, Tom Tripp, Bill Loughlin
L to R Bottom Row: Alisa Schofield, Ken Puchlik, Mark Bunnell, Jack Hamilton*

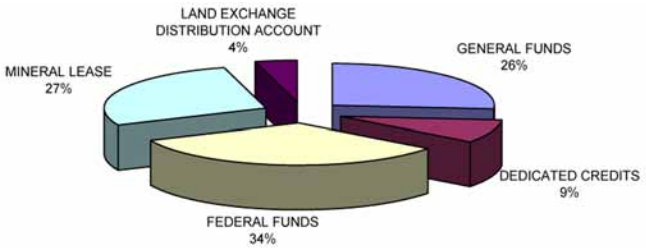
Board of the Utah Geological Survey

Kenneth Puchlik, Chair – Minerals (Industrial)
Mark D. Bunnell, Vice-Chair – Minerals (Coal)
Jack Hamilton, Scientific Interests
Alisa Schofield, Public-at-large
Don Harris, Minerals (Hydrocarbons)
Bill Loughlin, Geology/Engineering
Tom Tripp, Minerals (Metals)
Kevin Carter, Ex-officio

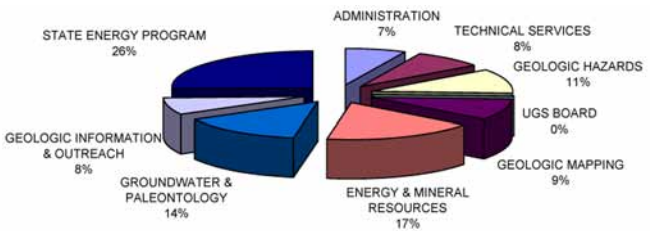
Financials

**Fiscal Year Ending
June 30,2010
(Unaudited)**

Revenues \$10,023,573



Expenditures \$10,023,573



2009-2010 Highlights

Ground Water and Paleontology Program

- Completed installation of spring-flow gauging network consisting of 10 gauges at 6 sites to complement previously completed monitoring well network in the Snake Valley area of Utah's west desert.
- Completed a septic-tank density evaluation for Cedar Valley, Iron County.
- Continued the excavation, preparation, and scientific description of several new species of dinosaurs from sites in Grand County.
- Completed, with cooperation of Geologic Hazards Program, evaluation of land-surface subsidence and earth fissures caused by ground-water withdrawals.



UGS paleontologist Scott Madsen preparing fossil by removing rock matrix around fossilized bone at preparation laboratory in UGS Core Research Center

Energy and Minerals Program

- Began a multi-year, federally-funded assessment of Utah's geothermal resources.
- Began multi-year federally-funded studies of gas potential of the Mancos Shale in the Uinta Basin and regional carbon dioxide sequestration potential of the Weber and Entrada Sandstones.
- Completed federally-funded study of the resources of the Henry Mountains coalfield.
- Continued research on 1) Paleozoic shale gas plays in Utah, and 2) conflicts between conventional natural gas operations and future oil shale development in Utah.
- Continued federally-funded studies of the potash resources of the Paradox Basin, Utah.

2009-2010 Highlights (cont.)

Geologic Hazards Program

- Continued mapping geologic hazards in western Salt Lake Valley and northern Utah Valley as part of the new Geologic Hazards Mapping Initiative.
- Completed geologic hazard mapping for the Zion National Park and Cache Valley projects. Completed a landslide inventory map for the 12-mile Canyon area near Mayfield, Utah.



UGS geologist Chris DuRoss conducts an interview with KSL reporter John Hollenhorst in the Penrose Drive east trench.

- Worked closely with the U.S. Geological Survey and others to evaluate active faults in Utah, including the Salt Lake City segment of the Wasatch fault, West Valley fault zone, and the Wasatch fault.
- Continued geologic data preservation by publishing an aerial photography compilation along the Wasatch fault and archiving older geologic maps, engineering geology reports, and aerial photos of Utah

Mapping Geology Program

- Published 21 geologic maps of parts of Utah.
- Archived and prepared digital copies of 209 older geologic maps that were in danger of disappearing.
- Received federal contracts to conduct geologic mapping in areas such as the Panguitch, Grouse Creek Mountains, Rush Valley, Salina Canyon, and Kanab area.



Geologists study ancient glacial deposits during a geologic mapping project on Fremont Island involving the UGS and three universities

Utah State Energy Program

- Supported ongoing efforts to the Governor's Taskforce on Renewable Energy Zones by providing staff expertise for management, research, development and oversight of contractors for the Utah Renewable Energy Zone, Phase II report.
- Provided state energy codes training to over 800 architects, engineers, contractors, and code officials throughout the state at no charge.
- Awarded over \$47 million in grant funds by the U.S. Department of Energy, to be distributed to state and local governments, and private sector, over the next two program years to support job development and energy savings.
- USEP awarded 52 cities and counties \$8.5 million dollars for energy retrofits and renewable energy projects.
- USEP awarded 32 schools \$5 million in grants and loans for energy retrofits and \$3.5 million in renewable projects.
- USEP awarded \$2.5 million in appliance rebates and \$3 million in renewable energy rebates to citizens of Utah.

Geologic Information and Outreach Program

- Tracked 11,650 public inquiries that were answered by the UGS.
- Held activities for 680 elementary students during Earth Science Week.
- Worked on a new brochure "Commonly Asked Questions About Bear Lake".

Services and Functions

Utah Core Research Center

Serves as a repository and laboratory for Utah well cutting and core, petroleum, coal and geologic samples used for public education, and industry and state resource research. Center provides core photography, slabbing, and plug preparation, and sample loan services, as well as data searches and workshops.

Geologic-Hazard Assistance

Assists governments in responding to geologic-hazard emergencies. Reviews geologic-hazard reports for school districts. Investigates geologic hazards and prepares geologic-hazards maps for local governments.

USEP

Anemometer Loan Program: Program continues to partner with Utah landowners to install 20m and 50m towers to collect and analyze wind data. Also works to create a better interactive map that will allow users to see the topography of each site along with the raw data, monthly averages and the final report.

Energy Education: Provides public information on energy efficiency and renewable energy; manages statewide working groups on solar, wind, geothermal and energy efficiency; provides training on energy building codes for builders and designers.



Utah State Energy Program staff installing an anemometer tower in Daggett County

Natural Resources Map & Bookstore

Offers a selection of publications and maps on Utah geology and other natural-resource topics. Maintains an inventory of topographic maps for all of Utah and parts of surrounding states.

Services and Functions (cont.)

Water Resource/Environmental Evaluations

Evaluates ground-water resources. Protects drinking water supplies by investigating environmental impacts of waste disposal and storage and treatment facilities for state, federal, local governments and agencies.

Public Inquiry

Provides information on Utah geology and geologic issues to governments, industry, education, and the general public.

Energy and Mineral Evaluations

Investigates and provides energy and mineral resource information on county, state or federal lands to local, state and federal agencies.

Paleontological Services

Evaluates paleontological sites. Excavates critical fossils in danger of destruction. Issues paleontological excavation permits.



*Earth fissure crossing subdivision road in the Enoch area of Cedar Valley, Iron County.
State vehicle shown for scale purposes.*

UGS Regional Office

Southern Utah Regional Office

William Lund
88 East Fiddler Canyon Road, Suite C
Cedar City, UT
435-865-9041
billlund@utah.gov

Department of Natural Resources

Monday-Thursday

7:00 a.m. - 6:00 p.m.

(closed on legal holidays)

On-line resources:

Boating Safety:

www.stateparks.utah.gov/boating

Camping Reservations:

www.stateparks.utah.gov/reservations

Earthquake Awareness:

www.geology.utah.gov/utahgeo/hazards/index.htm

Employment::

www.hr.utah.gov/adm/admhr.htm

Hunter Safety:

www.wildlife.utah.gov/huntereducation

Hunting and Fishing Licenses:

www.secre.utah.gov/hflo2/hflo

Map and Bookstore:

www.mapstore.utah.gov

Mining Permits:

www.ogm.utah.gov/mining/default.htm

Off-Highway Vehicles:

www.stateparks.utah.gov/ohv

Oil Drilling Permits:

www.oilgas.ogm.utah.gov/Quick_Refs/qref_permits.htm

Water Conservation:

www.conservewater.utah.gov

Water Rights Records:

www.waterrights.utah.gov/wrinfo/query.asp

The Utah Department of Natural Resources receives federal aid and prohibits discrimination on the basis of race, color, sex, age, national origin or disability.

For information or complaints regarding discrimination, contact:

Executive Director

Utah Department of Natural Resources

PO Box 145610

Salt Lake City, Utah 84114-5610

Or contact:

Equal Employment Opportunity Commission

1801 L Street, NW

Washington DC 20507-0001

Utah Department of Natural Resources
PO Box 145610
Salt Lake City, Utah 84114-5610

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